

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

ELLIS

Appln. No.: 09/320,660

Filed: May 27, 1999

Title: GLOBAL NETWORK COMPUTERS

Client Ref.: GNC7/PCT/US

Group Art Unit: 2757

Examiner: D. DINH

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June 13, 2001

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

The Rule 17(p) Official Fee required by Rule 97(c) in lieu of certification is filed herewith. Should that fee be missing or inadequate, please charge the deficiency to our Deposit Account No. 03-3975 under Order No. 081498/0251017 for which purpose this paper is submitted in duplicate.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

NOT CONSIDERED
[Signature]
8/6/01

06/14/2001 CCHAU1 00000081 09320660

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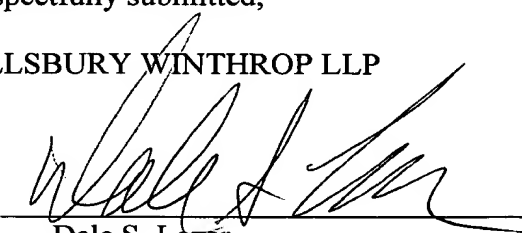
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„Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 along with an early action on the merits of this application are earnestly solicited.

Respectfully submitted,

PILLSBURY WINTHROP LLP

By


Dale S. Lazar

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Inventor(s): ELLIS
 Appln. No.: 09
 Series Code \uparrow
 Filed: May 27, 1999
 Hon. Commissioner of Patents
 Washington, D.C. 20231

320,660 JUN 13 2001
 Serial No. 320,660

Group Art Unit 2757
 Examiner: D. DINH
 Atty. Dkt: P 0251017
 M# 0251017
 Client Ref GNC7/PCT/US
 Appln. Title: GLOBAL NETWORK COMPUTERS

Sir:

INFORMATION DISCLOSURE STATEMENT

Date: June 13, 2001

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated herinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim A. <input type="checkbox"/> NOT made B. <input type="checkbox"/> Withdrawn C. <input type="checkbox"/> made herewith D. <input checked="" type="checkbox"/> made previously For B & C See <u>Required Separate Paper</u> (Pat-256)		Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims		51	**minus 51	0	x \$18/\$9 =	+ \$0	103/203
3. Independent Claims		4	***minus 4	0	x \$80/\$40 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)					add	+ \$270/\$135 =	+ \$0 104/204
5. Original due Date:		<input checked="" type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo)	\$110/\$55 =				115/215
		(2 mos)	\$390/\$195 =		+ \$0		116/216
		(3 mos)	\$890/\$445 =				117/217
		(Usable only for \leq 2mo.OA --- 4 mos)	\$1390/\$695 =				118/218
		(Usable only for 30 day/1mo.OA --- 5 mos)	\$1890/\$945 =				128/228
7. Enter any previous extension fee paid since above original due date and subtract					- \$0		
8. Extension Fee Attached					+ \$0		
9. If Terminal Disclaimer attached, add Rule 20(d) official fee					+ \$110/\$55	+ \$0	148/248
10. If IDS attached requires Official Fee under Rule 97 (c),					+ \$180	+ \$180	126
or if Rule 97(d) Request					+ \$180		126
11. After-Final Request Fee per rules 129(a) and 17(r)					+ \$710/355	+ \$0	146/246
12. No. of additional inventions for examination per Rule 129(b)					x \$710/355 ea	+ \$0	149/249
13. Request for Continued Examination (RCE)					+ \$710/355	+ \$0	1179/1279
14. Petition fee for					+ \$0		
15. TOTAL FEE ENCLOSED =					\$180		

16. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 081498 | 0251017
C# M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

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 Tel: (202) 861-3000
 Atty/Sec: DSL/nlh

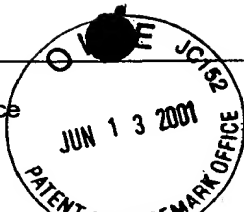
Pillsbury Winthrop LLP
 Intellectual Property Group
 By Atty: Dale S. Lazar

Sig:

Reg. No. 28872Fax: (202) 822-0944Tel: (202) 861-3527

NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

FORM PTO-1449, (modified)
To: U.S. Department of Commerce
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Patent and Trademark Office



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Atty.
Dkt. No.

M#

Client Ref.

0251017

Applicant: ELLIS

Appln. No.: 09/320,660

Filing Date: May 27, 1999

Examiner: D. DINH

Group Unit: 2757

Date: June 13, 2000

Page

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of

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U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 4,827,508	05/1989	SHEAR			
	BR 4,918,596	04/1990	NAKANO			
	CR 4,969,092	11/1990	SHORTER			
	DR 5,025,369	06/1991	SCHWARTZ			
	ER 5,031,089	07/1991	LIU et al.			
	FR 5,103,393	04/1992	HARRIS et al.			
	GR 5,109,329	04/1992	STRELIOFF			
	HR 5,109,512	04/1992	BAHR et al.			
	IR 5,136,708	08/1992	LAPOURTE et al.			
	JR 5,155,808	10/1992	SHIMIZU			
	KR 5,341,477	08/1994	PITKIN et al.			
	LR 5,357,632	10/1994	PIAN et al.			
	MR 5,361,362	11/1994	BENKESER et al.			
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	RR 5,522,070	05/1994	SUMIMOTO			
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	VR 5,594,491	01/1997	HODGE et al.			
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	XR 5,678,028	10/1997	BERSHTEYN et al.			
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	ZR 5,758,077	05/1998	DANAHY et al.			
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	DDR 5,794,059	08/1998	BARKER et al.			
	EER 5,815,665	09/1998	TEPER et al.			
	FFR 5,815,793	09/1998	FERGUSON			
	GGR 5,844,594	12/1998	FERGUSON			
	HHR 5,850,449	12/1998	MCMANIS			
	IIR 5,881,284	03/1999	KUBO			
	JJR 5,964,832	10/1999	KISOR			

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Atty. Dkt. No. M# Client Ref.

0251017 GNCT/STATUS

Applicant: ELLIS

Appln. No.: 09/320,660

Filing Date: May 27, 1999

Examiner: D. DINH Group Art Unit 2751

Date: June 13, 2000 Page 2 of 4

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 6,052,555	04/2000	FERGUSON			
	BR 6,098,091	08/2000	KISOR			
	CR 6,112,225	08/2000	KRAFT et al.			
	DR 6,112,243	08/2000	DOWNS et al.			
	ER					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
	FR WO 98/26366	06/1998	WIPO	Ellis		
	GR 0 853 279	07/1998	EUROPE	Nagaratna et al.		
	HR WO 94/01964	01/1994	WIPO	Craig		
	IR WO 95/01060	01/1995	WIPO	Kramer et al.		
	JR					

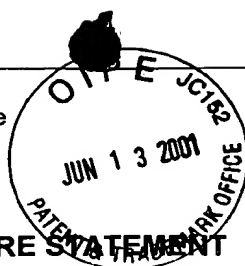
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

KR	"Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257					
LR	"Means for Implementing Optical Interconnections for Parallel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 56-58, XP 000110310					
MR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553					
NR	Baratloo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8					
OR	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5 th Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32					
PR	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3 rd IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994					
QR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh AcM SIGOPS European Workshop, September 1996, 8 pages					
RR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129					
SR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14 th Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995					
TR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc. Of the 16 th Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996					

Examiner Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Applicant: ELLIS

Appln. No.: 09/320,660

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Date: June 13, 2000	Page	3	of	4	Examiner: D. DINH	Group Art Unit: 2153
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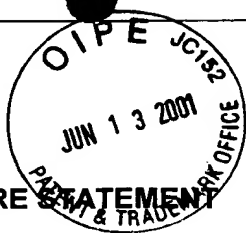
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

AR	Clark, H. et al., "DAWGS-A Distributed Computer Server Utilizing Idle Workstations," Proc. Of the 5 th Distributed Memory Computing Conf., IEEE, pp. 732-741, April 1990			
BR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37			
CR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," www.npac.syr.edu/projects/webpace/doc/hpdc5/paper, June 10, 1996, 11 pages			
DR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5 th IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages			
ER	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21			
FR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49			
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HR	Kim, B., "ATM Network: Goals and Challenges," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 39-44, 109			
IR	Kremien, O., "Buying and Selling Computational Power Over the Network," Proc. Of the 4 th Int'l. Conf. On Computer Communications and Networks, IEEE, pp. 616-619, Sep. 1995			
JR	Lindley, C., "JPEG-Like Image Compression, Part 2," Dr. Dobb's Journal, Aug. 1995, pp 62-66, 102-105			
KR	Lindley, C., "JPEG-Like Image Compression, Part I," Dr. Dobb's Journal, Jul. 1995, pp. 50-58, 101-102			
LR	Litzkow et al., "Condor-A Hunter of Idle Workstations," Proc. Of the 8 th Int'l. Conf. On Distributed Computing Systems, IEEE, pp. 104-111, Jun. 1998			
MR	McHenry et al., "An FPGA-Based Coprocessor for ATM Firewalls," Field-Programmable Custom Computing Machines 1997, 16-18 April 1997, pages 30-39, XP-002157218			
NR	Morris, J., et al., "Fault Tolerant Networks of Workstations," Proc. Of the 3 rd Int'l. Conf. On High Performance Computing, IEEE, pp. 271-276, Dec. 1996			
OR	Nass, R., "Hardware-software combo could simplify MPEG real-time video compression," Electronic Design, May 3, 1993, p. 36			
PR	Nowatzky et al., "Are Crossbars Really Dead? The Case for Optical Multiprocessor Interconnect Systems," Proceedings of the Annual Symposium on Computer Architecture, ACM, volum 22, June 1995, pages 106-115, XP 000687800			
QR	Ozer, "Digital Video: Shot by Shot," PC Magazine, Apr. 11, 1995, pp. 104-107, 110			
RR	Ozer, J., "Why MPEG is Hot," PC Magazine, Apr. 11, 1995, pp. 130-131			
SR	Plotkin, "The Digital Compression Facility-A Solution to Today's Compression Needs," 1994 IEEE, pp 445-449			
TR	Qiao et al., "Time-Division Optical Communications in Multiprocessor Arrays," ACM, 1991, pages 644-653, XP 000337522			

Examiner	Date Considered:
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Atty.
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M#

Client Ref

0251017

GN7/PC11

Applicant: ELLIS

Appln. No.: 09/320,660

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Examiner: D. DINH

Group Art Unit: 2107

Date: June 13, 2000

Page 4 of 4

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AR	Rincon et al., "The Changing Landscape of System-on-a-Chip Design," MicroNews, Third Quarter 1999, www.chips.ibm.com/micronews/vol5_no3/rincon.html, pages 1-10, Vol. 5, No. 3				
BR	Sachs, M. et al., "LAN and I/O Convergence: A Survey of the Issues," Computer, Dec. 1994, pp. 24-32				
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DR	Schroeder, E., "New offerings buoy MPEG as video standard," Desktop Computing, PC Week, May 8, 1995, pp. 1&29				
ER	Shen et al., "A Parallel Implementation of an MPEG1 Encoder: Faster than Real-Time!", Proc. Of SPIE Conf. On Digital Video Compression, San Jose, CA, Feb. 1995				
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GR	Szabo, B., et al., "Design considerations for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368				
HR	Theimer et al., "Finding Idle Machines in a Workstation-Based Distributed System," IEEE Trans. On Software Engineering, vol. 15, No. 11, pp 1444-1458, Nov. 1989				
IR	Vetter, R., "ATM Concepts, Architectures, and Protocols," Communications of the ACM, Feb. 1995; vol. 38, No. 2, pp. 30-38, 109				
JR	Vetter, R., et al., "Issues and Challenges in ATM Networks," Communications of the ACM, 2/1995; vol. 38, No. 2, pp. 28-29				
KR	Waldspurger et al., "Spawn: A Distributed Computational Economy," IEEE Transactions on Software Engineering, Vol. 18, No. 2, February 1992, pages 103-117, XP-002124500				
LR	Yoshida, J., "MPEG-2 encoders make show of force at NAB," Electronic Engineering Times, Apr. 10, 1995				
MR	Yu, Y. et al., "Software Implementation of MPEG-II Video Encoding Using Socket Programming in LAN," SPIE vol. 2187, pp. 229-240, 1994				
NR					
OR					
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